

Patent Claims

1. Method for operating a data processing device while using compressed data, characterized by the following steps:
 - loading a non-compressed boot program from a first data memory into a volatile working memory,
 - executing the boot program,
 - copying, initiated by the boot program, of a compressed application program from a second data memory into a volatile working memory with simultaneous decompression of the application program, and
 - starting the application program through the boot program.
2. Method pursuant to claim 1, characterized in that the loading of the boot program is controlled by a start process control device, which is separate from a processor device of the data processing device from a structural and/or functional point of view.
3. Method pursuant to claim 1 or 2, characterized in that as the data memory of the boot program a first non-volatile memory of the data processing device is used and as the data memory of the application program a second non-volatile memory of the data processing device is used.
4. Method pursuant to claim 1 or 2, characterized in that via an interface device of the data processing device the first data memory and/or the second data memory is accessed.
5. Method pursuant to claim 4, characterized in that as the data memory of the boot program a non-volatile memory of the data processing device is used and that the

application program is copied via an interface device of the data processing device from a second data memory.

6. Method pursuant to one of the claims 1 through 5, characterized in that within the framework of decompression of the application program, decompression information for defined segments of the application program is read and parameters of the decompression step for each segment are adjusted based upon the appropriate decompression information.
7. Use of a method pursuant to one of the claims 1 through 6 in an on-board computer device of a space vehicle.
8. Use of a method pursuant to one of the claims 1 through 6 in a satellite navigation receiver device.
9. Use pursuant to claim 8 in a satellite navigation receiver device of a space vehicle.
10. Computer program for processing data of a data processing device, designed as a machine-readable boot program and furthermore designed to execute the following procedural steps:
 - copying of a compressed application program from a data memory into a volatile working memory with simultaneous decompression of the application program, and
 - starting the application program through the boot program.
11. Computer program product comprising a machine-readable program carrier, on which a computer program pursuant to claim 10 is stored in the form of electronically readable control signals.